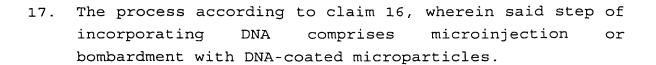
CLAIMS

- 1. An epithelial tumor cell with metastatic potential which has integrated in its genome or another replicative genetic element an externally introduced immortalizing oncogene which is expressed in said cell.
- 2. The epithelial tumor cell according to claim 1 which is a disseminated tumor cell.
- 3. The epithelial tumor cell according to claim 1 or 2 which is an autologous tumor cell.
- 4. The epithelial tumor cell according to any one of claims 1 to 3 which is a human tumor cell.
- 5. The epithelial tumor cell according to any one of claims 1 to 4 which is derived from bone marrow.
- 6. The epithelial tumor cell according to any one of claims 1 to 5, wherein said immortalizing oncogene is the DNA encoding the early region of SV40 DNA and preferably the large T antigen of a replication deficient SV40 virus.
- 7. The epithelial tumor cell according to claim 6, wherein said replication deficiency is caused by (a) defect(s) in the origin of replication and/or (a) defect(s) in the antigen coding region.
- 8. The epithelial tumor cell according to claim 6 or 7, wherein said SV40 virus is non-infectious.
- 9. The epithelial tumor cell according to any one of claims 1 to 8 which has integrated in its genome at least one additional oncogene.

- 10. The epithelial tumor cell according to claim 9, wherein said additional oncogene is ras, mutant WT1, bcl-2, p53mut, myc, HER 2/neu, an HPV16 oncogene, an HPV18 oncogene or E1A.
- 11. The epithelial tumor cell according to any one of claims 1 to 10, which has additionally integrated in its genome or another replicative genetic element at least one externally introduced gene encoding an immunostimulatory factor.
- 12. The epithelial tumor cell according to claim 11, wherein said immunostimulatory factor is B7 or a cytokine, preferably IL-2, IL-4, IL-7, IFN-α or IFN-γ.
- 13. An antibody or fragment thereof or a derivative of said antibody or said fragment thereof which specifically recognizes the tumor cell according to any one of claims 1 to 12.
- 14. The antibody or fragment thereof according to claim 13 which is monoclonal antibody or fragment thereof.
- 15. The derivative or fragment according to claim 13 which is a fusion protein or a chemical conjugate, preferably a bispecific antibody.
- 16. An in vitro process for the production of the tumor cell according to any one of claims 1 to 12 comprising the step of incorporating DNA comprising DNA encoding at least one immortalizing oncogene and optionally at least one gene encoding an immunostimulatory factor into a non-immortalized epithelial tumor cell with metastatic potential.



- 18. The process according to claim 16 or 17, additionally comprising the step of carrying out a primary expansion of said non-immortalized epithelial tumor cells prior to the microinjection or bombardment step.
- 19. The process according to claim 18, wherein said primary expansion comprises the step of culturing tissue or a body fluid comprising non-immortalized epithelial tumor cells in a suitable medium promoting the expansion of said tumor cells.
- 20. The process according to claim 19, wherein said body fluid is bone marrow, blood, ascites or pleural exsudate.
- 21. The process according to claim 19 or 20, wherein said medium comprises EGF and/or bFGF, preferably rh EGF and rhb FGF.
- 22. The process according to any one of claims 19 to 21, wherein said culturing step is carried out in ECM-coated tissue flasks and/or at reduced oxigen concentrations of 5-10%
- 23. A pharmaceutical composition comprising the epithelial tumor cell according to any one of claims 1 to 12 and/or the antibody or derivative or fragment thereof of any one of claims 13 to 15, optionally in combination with a suitable pharmaceutical carrier.

- A diagnostic composition comprising the epithelial 24. tumor cell according to any one of claims 1 to 12 and/or the antibody of derivative or fragment thereof of any one of claims 13 to 15.
- Use of the epithelial tumor cell according to any one 25. of claims 1 to 12 for the preparation of a medicament for the prophylaxis and/or treatment of cancer and/or metastasis of cancer.
- Use of the antibody or derivative or fragment thereof 26. according to any one of claims 13 to 15 for the preparation of a medicament for the prophylaxis and/or treatment of cancer and/or metastasis of cancer.
- Use of the epithelial tumor cell according to any one 27. of claims 1 to 12 or the $\$ antibody or derivative or fragment thereof of any one of claims 13 to 15 for the preparation of a tumor vaccine.
- Use of the epithelial tumor cell according to any one 28. of claims 1 to 12 for the ex vivo stimulation of a patient's immune cells.